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NOTICE OF ALLOWANCE AND FEE(S) DUE

45735

7590

01/11/2010

SENNIGER POWERS LLP (SMX) 100 NORTH BROADWAY 17TH FLOOR ST. LOUIS, MO 63102 EXAMINER

FITZGERALD, JOHN P

ART UNIT PAPER NUMBER

2856 DATE MAILED: 01/11/2010

| APPLICATION NO. FILING DATE | | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------|------------|----------------------|---------------------|------------------|
| 10/550.075 | 11/22/2006 | Oleg Kolosov | 1012-188US2 | 6188 |

TITLE OF INVENTION: RESONATOR SENSOR ASSEMBLY

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 04/12/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS; This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ap in m

| CURRENT CORRESPOND | Feet | Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. | | | | | |
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| 45735 | 7590 01/11 | /2010 | have | e its own certificate | of ma | lling or transmission. | it of formal drawing, must |
| SENNIGER PO 100 NORTH BR 17TH FLOOR | OWERS LLP (SM ROADWAY | | I he Stat addi tran | Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the States Postal Service with sufficient postage for first class mail in an eaddressed to the Mail Stop ISSUE FEE address above, or being fatransmitted to the USPTO (571) 273-2885, on the date indicated below | | | |
| ST. LOUIS, MC | 0 63102 | | | | | | (Depositor's name) |
| | | | | | | | (Signature) |
| | | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | | ATTO | RNEY DOCKET NO. | CONFIRMATION NO. |
| 10/550,075 | 11/22/2006 | | Oleg Kolosov | | | 1012-188US2 | 6188 |
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| nonprovisional | NO | \$1510 | \$300 | \$0 \$1810 | | \$1810 | 04/12/2010 |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | | | | |
| FITZGERAI | LD, JOHN P | 2856 | 073-054410 | | | | |
| "Fee Address" ind | ondence address (or Cha B/122) attached. ication (or "Fee Address)2 or more recent) attach | 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | | | |
| PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG | less an assignee is ident h in 37 CFR 3.11. Comp GNEE | ified below, no assignee oletion of this form is NO | THE PATENT (print or type data will appear on the p. T a substitute for filing an (B) RESIDENCE: (CITY | atent. If an assign assignment. and STATE OR C | COUNT | TRY) | |
| Please check the appropr | iate assignee category or | categories (will not be pr | rinted on the patent): \Box | Individual 🖵 Co | orporati | on or other private gro | up entity 🔲 Government |
| * | are submitted: No small entity discount p # of Copies | 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). | | | | | |
| 5. Change in Entity Sta | , | | n | | | | D 4 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
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| interest as shown by the | records of the United Sta | tes Patent and Trademark | Office. | не аррисан, а геді | | attorney of agent, of the | assignee of other party in |
| Authorized Signature | | | | Date | | | |
| Typed or printed nam | e | | Registration N | lo | | | |
| an application. Confiden submitting the completed this form and/or suggesti | tiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC | U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th | on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO | imated to take 12 i ridual case. Any co er. U.S. Patent and | minutes mment Trader | s to complete, including s on the amount of tin park Office, U.S. Depa | g gathering, preparing, and ne you require to complete rtment of Commerce, P.O. |

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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| 45735 | 45735 7590 01/11/2010 | | | EXAMINER | | |
| SENNIGER PO | WERS I | FITZGERALD, JOHN P | | | | |
| | 100 NORTH BROADWAY | | | | PAPER NUMBER | |
| 17TH FLOOR ST. LOUIS, MO | 63102 | | | 2856 DATE MAIL ED: 01/11/201 | 0 | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 162 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 162 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) | |
|--|---|--|----------------|
| | 10/550,075 | KOLOSOV ET AL. | |
| Notice of Allowability | Examiner | Art Unit | |
| | JOHN FITZGERALD | 2856 | |
| The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to 20 August 2009. | (OR REMAINS) CLOSED in to or other appropriate community. This application is sufficient | his application. If not included ication will be mailed in due cours | |
| 2. ☑ The allowed claim(s) is/are <u>20-39</u> . | | | |
| 3. Acknowledgment is made of a claim for foreign priority unas All b) | e been received. e been received in Application cuments have been received in Application of this communication to file and ENT of this application. Initted. Note the attached EXAM es reason(s) why the oath or do st be submitted. Is on's Patent Drawing Review (communication). In the submitted of the submitted | No In this national stage application for this national stage application for the requirer and the complying with the requirer all NER'S AMENDMENT or NOTIC eclaration is deficient. PTO-948) attached the Office action of the Office action of drawings in the front (not the back 1.121(d). RIAL must be submitted. Note the | ments CE OF |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material | 6. ☐ Interview Sun Paper No./M 7. ☐ Examiner's A | rmal Patent Application nmary (PTO-413), ail Date mendment/Comment tatement of Reasons for Allowand | :e |
| | | | |

Application/Control Number: 10/550,075 Page 2

Art Unit: 2856

DETAILED ACTION

Drawings

1. The drawings were received on 20 August 2009. These drawings are accepted.

Response to Arguments

2. Applicant's arguments, see pages 11 and 12, filed 20 August 2009, with respect to amended independent claim 20 have been fully considered and are persuasive. The rejection of claim 20 and its dependents has been withdrawn.

Allowable Subject Matter

- 3. Claims 20-39 are allowed over the Prior Art of record.
- 4. The following is an examiner's statement of reasons for allowance: The primary reasons for allowance of independent claim 20 is the inclusions of the specific limitations of a fluid sensor package including the times and associated electrodes for each time in a tuning fork resonator mounted on a platform, in combination with an ASIC in electrical communication with each electrode of each time, with the operability to determine one or more characteristics of the fluid in contact with the tines from a response signal, which is in response to a stimulus signal from the ASIC, and which the ASIC determines the fluid characteristic(s) from the response, in combination with a secondary component. While the Prior Art discloses some aspects of the claimed invention, it fails to disclose the specific details regarding a tuning fork resonator with

tines, each having an electrode, providing the functionality claimed with an ASIC and a

secondary component.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to John Fitzgerald whose telephone number is (571) 272-2843. The

examiner can normally be reached on Monday-Friday from 7:00 AM to 3:30 PM. If attempts to

reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron Williams,

can be reached on (571) 272-2208. The central fax phone number for the organization where

this application or proceeding is assigned is 571-273-8300. Information regarding the status of

an application may be obtained from the Patent Application Information Retrieval (PAIR)

system. Status information for published applications may be obtained from either Private PAIR

or Public PAIR. Status information for unpublished applications is available through Private

PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov.

Should you have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

/John Fitzgerald/

Primary Examiner, Art Unit 2856

1/4/09